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Professor Robin G Allaby PhD FLS FRSB

Professional History

2015 – present Professor, School of Life Sciences, University of Warwick, UK.
2009 – 2015 Associate Professor, School of Life Sciences, University of Warwick, UK.
2006 – 2009 Assistant Professor, Warwick HRI, University of Warwick, UK.

Recent Awards

2016 – 2019 ERC Lost Frontiers (PI to £0.6M, total grant £2.5M)
2015 – 2019 EC Marie Curie award, Microwine project (PI to £0.2M, total grant €3.9M)
2014 – 2019 NERC Fellowship for Logan Kistler An archaeogenomic approach to maize evolution, adaptation, and biodiversity in North America (£0.6M)
2014 – 2017 NERC Archaeogenomics of sorghum domestication and adaptation (£0.7M) PI
2013 – 2014 Brazil Partnership fund (£4K) and Embrapa (£30K) Archaeological peanut genomes. PI

Scientific Community Activities & Courses

- 2014 Associate Editor of STAR (Science and Technology of Archaeological Research)
- 2014 Organizer of Plant Evolution course for Society of Biology, Darwin House.
- 2011 elected Fellow of the Linnean Society
- 2011 elected Fellow of the Society of Biology (2015 onwards Royal Society of Biology)
- 2011 Co-leader for National Evolutionary Synthesis Centre (NESCent) meeting “Domestication as an Evolutionary Phenomenon: Expanding the Synthesis”
- Sub-editor and contributor to 2012 edition of Oxford Dictionary of Plant Sciences (as well as past contributions)
- 2009 to present Associate Editor for PLoS One
- 2008 to present Associate Editor for *Archaeological and Anthropological Sciences* journal
- 2009 to present Member of the International Flax Network (Danish Research Council)
- 2007 – 2011 NERC Review College Member
- Reviewer for many journal institutions including Science, Royal Society, National Academy of Sciences USA, Journal of Experimental Botany, Molecular Biology and Evolution, PloS One, and Antiquity

External PhD examinations

2016 The geographical distributions of *Saccharomyces cerevisiae* and *Saccharomyces paradoxus*, and the potential to detect past yeast populations with ancient DNA. H. Robinson, Faculty of Life Sciences, University of Manchester.

2012 Exploring the potential of second generation sequencing in diverse biological contexts. S.L. Fordyce, Natural History Museum of Denmark, University of Copenhagen.

2010 The role of environmental change in species range shifts – investigation of Quaternary deer species using ancient DNA. M. Meiri (2010), School of Biological Sciences, Royal Holloway University of London.

2010 The Evolutionary Role of Human-Specific Genomic Events. Y. Itan (2010), Department of Genetics, Evolution and Environment, University College London.

2008 Computational classification of small RNAs and their targets. S. Moxon (2008), School of Computing Sciences, UEA.

2006 Using networks to visualize biological information. S. Dyer (2005), Faculty of Life Sciences, University of Manchester.

Recent and invited conference activity

2018 January, PAG XVII, San Diego (invited speaker).

2017 May, Royal Society Theo Murphy meeting, marine palaeolandscapes (invited speaker, co-organizer)

2016 December, GARNet meeting, Cambridge (keynote speaker)

2016 September, World Archaeology Conference 8, Kyoto, Japan (invited speaker)

2016 April, SAA, Florida (invited speaker)

2016 January, PAG XV, San Diego, USA (invited speaker)

2015 September, ESBB, Natural History Museum, London (invited Speaker)

2015 May, CSEE2015 Evolution of Crop Plant Symposium, Canada, (invited speaker)

2015 January, PAG XIII, San Diego, USA (invited speaker)

2015 January, Paleogenomics palaeogenetics conference, Okinawa, Japan (keynote speaker)

Recent National and International Media Interest

2015 August BBC *Horizon* 'First Britons' featuring sedaDNA work on early Neolithisation.

2015 February, Broad national and international press coverage of sedaDNA Science paper (e.g. BBC, FT, Nature).

Recent Selected Publications

Robin G. **Allaby**, Chris Stevens, Leilani Lucas, Osamu Maeda, Dorian Q Fuller (2017) Geographic mosaics and changing rates of cereal domestication. *Phil. Trans. Roy. Soc. B* 372: 20160429.

Oliver Smith, Sarah A. Palmer, Alan J. Clapham, Pamela Rose, Yuan Liu, Jun Wang, Robin G. **Allaby** (2017) Small RNA activity in archaeological barley shows novel germination inhibition in response to environment. *Mol. Biol. Evol.* doi.org/10.1093/molbev/msx175.

Logan Kistler, Roselyn Ware, Oliver Smith, Matthew Collins and Robin G. **Allaby** (2017) A new model for ancient DNA decay based on paleogenomic meta-analysis. *Nucleic Acids Research* 45 (11): 6310-6320.

Allaby RG, Kitchen JL, Fuller DQ (2016) Surprisingly low limits of selection in plant domestication. *Evolutionary Bioinformatics* 11:(S2) 41-51.

Allaby RG (2015) Barley domestication: the end of a central dogma? *Genome Biology* 16:176.

Smith O, Momber G, Bates R, Garwood P, Fitch S, Pallen M, Gaffney V, **Allaby** RG (2015) Sedimentary DNA from a submerged site reveals wheat in the British Isles 8000 years ago. *Science* 347: 998-1001.

Allaby RG, Kistler L, Gutaker RM, Ware R, Kitchen JL, Smith O, Clarke AC (2015) Archaeogenomic insights into the adaptation of plants to the human environment: pushing plant-hominin co-evolution back to the Pliocene. *J. Human Evol.* 79:150-157.

Smith O, Clapham A, Rose P, Liu Y, Wang J, **Allaby** RG (2014) Genomic methylation patterns in archaeological barley show de-methylation as a time-dependent diagenetic process. *Nature Scientific Reports* 4, 5559.

Allaby RG, Gutaker R, Clarke AC, Pearson N, Ware R, Palmer SA, Kitchen JL, Smith O (2014) Using archaeogenomics and computational approaches to unravel the history of local adaptation in crops. *Phil. Trans. Roy. Soc. B.* 370: 20130377

Gerbault P, **Allaby** RG, Boivin N *et al.* (2014) Storytelling and story testing in domestication. *Proc. Natl Acad. Sci. U.S.A.* 111:6159-6164

Larson G, Piperno D, **Allaby** RG *et al.* (2014) Current perspectives and the future of domestication studies. *Proc. Natl. Acad. Sci. U.S.A.* 111:6139-6146.